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Key: IEEE JNL = IEEE Journal or Magazine, IEEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IEE CNF = IEE Conference, IEE STD = IEEE Standard


1. MPLS and next generation access networks  
Kankkunen, A.;  
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2. IP over 2000: where have we been and where are we going?  
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3. The convergent phone  
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4. The evolution of the existing carrier infrastructure  
Traupman, E.; O'Connell, P.; Minnis, A.; Jadoul, M.; Mario, H.;  
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7. Architecture and functional requirements of control planes for automatic switched optical networks: experience of the IST project LION  
Manzalini, A.; Shimano, K.; Cavazzoni, C.; D'Alessandro, A.;  
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Fineberg, V.;  
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11. A traffic engineering system for multilayer networks based on the GMPLS paradigm  
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12. Subject Index  
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Kontak, M.; Sobar, D.;  
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14. Model of GMPLS enabled router  
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Volume 2, 15-18 Dec. 2003 Page(s):1263 - 1267 vol.2  
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15. Security framework for integrated networks  
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16. A study on multilayer service network architecture in IP optical networks  
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19. Link and routing issues for Internet protocols in space  
Hogie, K.; Criscuolo, E.; Parise, R.;  
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20. Migrating an IN services platform (SCP) to an IP-based applications platform  
Escalme, R.;  
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21. Transport architecture evolution in UMTS/IMT-2000 cellular networks  
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23. Hybrid transport solutions for TDM/data networking services  
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IEEE CONF

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s VPN and (((Data) or (packet))(w)network)  
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220548 VPN  
23642149 DATA  
903558 PACKET  
14331386 NETWORK  
258311 (DATA OR PACKET) (W) NETWORK  
S5 10792 S VPN AND (((DATA) OR  
(PACKET)) (W) NETWORK)

? Please enter a command or be logged off in 5  
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? s rd

S6 516699 S RD

? s s5 and TDM

10792 S5  
112010 TDM  
S7 583 S S5 AND TDM

? s s7 and (VPN(w)gateway)

583 S7  
220548 VPN  
1008692 GATEWAY  
4825 VPN (W) GATEWAY  
S8 1 S S7 AND (VPN (W) GATEWAY)

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8/3K/1 (Item 1 from file: 348) [Links](#)

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EUROPEAN PATENTS

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02217358

Method and apparatus for activating alternative virtual private network protocols  
Verfahren und Vorrichtung zum Aktivieren von alternativem virtuellen Privatnetzwerk  
Procede et dispositif pour activer des protocoles alternatifs de reseau prive virtuel

Patent Assignee:

- AT&T Corp.; (589370)  
32 Avenue of the Americas; New York, NY 10013-2412; (US)  
(Applicant designated States: all)

Inventor:

- Croak, Marian  
834 River Road; Fair Haven, NJ 07704; (US)
- Eslambolchi, Hossein  
13826 Moon Lane; Los Altos Hills, CA 94022; (US)

Legal Representative:

- Harding, Richard Patrick (41295)  
Marks & Clerk, 4220 Nash Court, Oxford Business Park South; Oxford OX4 2RU; (GB)

	Country	Number	Kind	Date	
Patent	EP	1768343	A2	20070328	(Basic)
Application	EP	2006121167		20060925	
Priorities	US	234919		20050926	

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IS; IT; LI; LT;  
LU; LV; MC; NL; PL; PT; RO; SE; SI; SK;  
TR;

Extended Designated States:

AL; BA; HR; MK; YU;

IPC	Level	Value	Position	Status	Version	Action	Source	Office
H04L-0029/06	A	I	F	B	20060101	20070117	H	EP

Abstract ...A2

Abstract Word Count: 115

NOTE: 2

NOTE: Figure number on first page: 2

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word
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			Count
CLAIMS A	(English)	200713	759
SPEC A	(English)	200713	2725
Total Word Count (Document A) 3484			
Total Word Count (Document B) 0			
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- European Patents Fulltext (File 348)
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- IMS Patent Focus (File 447, 947)
- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)
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- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

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#### RESUMED UPDATING

\*\*\*File 523, D&B European Financial Records  
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#### RELOADS COMPLETED

\*\*\*File 227, TRADEMARKSCAN(R) - Community Trademarks  
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#### FILES RENAMED

\*\*\*File 321, PLASPEC now known as Plastic Properties Database  
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#### FILES REMOVED

\*\*\*File 601, Early Edition Canada  
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352,369,370,484,553,570,608,620,613,621,623,624,634,6  
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MITCHELL J? or MITCHELL, J?)

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57 AU=MITCHELL, JULIAN

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3827 AU=MITCHELL J?

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S1 8252 S AU=(MITCHELL, JULIAN OR MITCHELL  
JULIAN OR MITCHELL J? OR MITCHELL, J?)

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312 AU=SYLVAIN DANY

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396 AU=SYLVAIN D?
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2451	(VPN or (virtual adj private adj network)). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 10:33
L2	18	((VPN or (virtual adj private adj network)) and (tdm or (time adj2 division adj2 multiplexing))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 10:35

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L1	1252	((virtual near private near network) or vpn) same ((convert\$4 or translat\$6) same (address\$4 or format \$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 08:30
L2	1082	((virtual near private near network) or vpn) and (convert\$4 or translat\$6) and ((time near division near multiplex\$5) or TDM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 08:42
L3	333	((virtual near private near network) or vpn) and (convert\$4 or translat\$6) same ((time near division near multiplex\$5) or TDM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 08:43
L4	703	((virtual near private near network) or vpn) and (convert\$4 or translat\$6) with (protocol or format) and ((time near division near multiplex \$5) or TDM)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/25 08:45
S1	2	"20020057786".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/12 16:24
S2	28	((virtual with private with network) or vpn) same ((tdm) or (time with division with multiplex\$5)) same conver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/24 16:40

S3	201	((virtual with private with network) or vpn) same ((tdm or (time with division with imultiplex\$5) or pstn or packet with switch \$4) ) same conver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/24 18:12
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